



Manufacturers' Shipments, Inventories, and Orders

OCTOBER 1981

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U.S. Department of Commerce
BUREAU OF THE CENSUS

(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured goods in October declined \$8.8 billion or 5.2 percent from September to \$159.6 billion, the Department of Commerce, Bureau of the Census, reported today. This is the third consecutive monthly decline in new orders, following decreases in August of 1.5 percent and in September of 1.0 percent.

New orders in the durable goods industries were down \$7.9 billion or 9.1 percent to \$78.4 billion. This is a larger decline than the 8.0 percent decrease reported earlier, and the sharpest one-month drop since the 9.4 percent decline recorded in December 1974. Orders for defense capital goods, which tend to be volatile, declined \$2.7 billion or 42 percent to \$3.8 billion. Excluding the decline in the defense category, total durable goods new orders were down 6.4 percent in October.

In the nondefense capital goods category new orders declined \$1.7 billion or 7.4 percent to \$21.3 billion, following a September decrease of 6.8 percent. Nearly all of the October decline was attributed to the nonelectrical machinery industries.

The declines in new orders were widespread across the individual durable goods industries. The largest decline was in the transportation equipment industry, where orders decreased \$2.6 billion or 13.7 percent to \$16.1 billion. The aircraft and parts industries were down \$1.8 billion, and the motor vehicles and parts industries were off \$0.9 billion. New orders for machinery, electrical and nonelectrical, were down \$2.1 billion and \$1.5 billion respectively. About one-half of the \$2.1 billion drop in the electrical category was caused by the decline in defense communication equipment orders. Continuing the declines in August and September, new orders for primary metals in October decreased 10.1 percent to \$10.3 billion.

Shipments of manufactured goods declined for the fourth consecutive month, with October registering a decline of \$4.1 billion or 2.4 percent to \$164.5 billion. This decline was somewhat larger than those in the preceding months. Within the durable goods sector, the motor vehicles and parts industries led the shipments declines, falling \$1.2 billion or 10.3 percent to \$10.7 billion. Since June of this year declines in shipments have averaged nearly 5 percent per month.

Shipments by the nondurable goods industries in October declined \$0.9 billion or 1.1 percent to \$81.5 billion. The

declines were widespread. The only increase in shipments was reported by petroleum refiners where an increase of \$0.3 billion or 2.0 percent to \$16.4 billion was recorded.

For the second month the value of manufacturers' shipments exceeded the value of incoming orders. The orders backlog of manufacturers in October fell \$4.9 billion or 1.5 percent to \$323.8 billion. This is the largest monthly decline since the 1.8 percent drop recorded in March 1975. Within the major industry groups the primary metals categories decreased \$0.8 billion or 2.8 percent to \$27.7 billion; the machinery industries declined \$1.9 billion or 1.5 percent to \$125.1 billion, and the transportation equipment industries dropped \$1.3 billion or 1.1 percent to \$116.7 billion.

The book value of manufacturers' inventories rose to \$278.4 billion, up \$1.7 billion or 0.6 percent from September. As shipments declined in the last several months, the inventory to shipments ratio had increased monthly from 1.57 in June to 1.69 in October. Virtually, all of the inventory increase was attributable to the durable goods industries which were up \$1.5 billion or 0.8 percent to \$186.7 billion. The value of inventories of nondurable goods manufacturers' changed little overall. Sizeable increases in the chemicals and apparel industries were offset by declines in petroleum and food products inventories.

The October estimates of inventories by stage of fabrication showed finished goods increasing by 1.3 percent over September, work-in-process up 0.7 percent and no change in the value of raw materials.

The figures on the durable goods industries in this report supersede those issued earlier in the advance report on durable goods. The present report is based on more complete reporting, but the estimates are also considered preliminary. Final figures will appear as historical data in the report to be published for next month. The advance report on durable goods for November is scheduled for release on December 22, 1981, and the full report is scheduled for release on December 31, 1981.

A description of the survey methodology and related information may be found in the summary report in this series for 1980 M31.10 Manufactures Shipments, Inventories and Orders: 1972-1980, issued July 1981.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

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Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted					Quarterly					Monthly										Not seasonally adjusted ¹				
		Monthly					III, 1981 ^r	II, 1981	I, 1981	Last 4 months					Last 4 months a year ago					1981	Year-to-date					
		Oct. 1981 ^p	Sept. 1981 ^r	Aug. 1981	July 1981	Sept. 1981 ^r				Aug. 1981	July 1981	Oct. 1980	Sept. 1980	Aug. 1980	July 1980											
TOTALS																										
	All manufacturing industries.....	164,469	168,581	169,518	170,324	508,423	506,512	495,900	170,733	174,010	166,520	156,408	167,307	163,812	147,823	137,631	1,681,214	1,526,846								
	Manufacturing industries excluding transportation.....	147,071	149,625	150,087	151,357	451,069	447,982	443,169	151,687	155,724	149,973	140,035	147,664	146,076	135,371	124,489	1,495,337	1,370,367								
	Manufacturing industries with unfilled orders.....	86,641	89,183	89,699	89,970	268,852	266,373	260,886	90,153	92,943	87,874	81,378	87,466	86,200	76,159	70,695	885,538	799,716								
	Durable goods industries.....	82,958	86,179	86,841	87,319	260,399	261,761	252,602	87,148	88,536	83,181	78,497	86,823	83,673	71,609	67,470	860,974	773,593								
	Durable goods with unfilled orders.....	69,976	71,916	72,702	72,667	217,285	215,863	211,253	72,681	74,853	70,539	65,432	71,023	69,614	60,803	56,573	716,624	646,507								
	Nondurable goods industries.....	81,511	82,402	82,677	83,005	248,084	244,751	243,298	83,585	85,474	83,339	77,911	80,484	80,139	76,214	70,161	820,240	753,253								
	Nondurable goods with unfilled orders.....	16,665	17,267	16,997	17,303	51,567	50,510	49,633	17,472	18,090	17,335	15,946	16,443	16,586	15,356	14,122	168,913	153,209								
MARKET CATEGORIES																										
	Home goods and apparel.....	11,992	12,217	12,400	12,792	37,409	37,089	36,096	13,496	13,658	13,406	11,555	13,278	12,706	11,821	10,088	123,394	112,933								
	Consumer staples.....	28,669	29,267	28,919	29,219	87,405	86,554	86,007	29,729	30,842	28,878	27,414	29,413	30,216	28,327	25,899	288,161	271,775								
	Equipment and defense products, except automotive.....	25,471	26,185	26,044	25,208	77,437	76,364	74,189	25,796	27,076	24,798	23,026	24,150	24,996	21,415	20,971	253,289	228,688								
	Automotive equipment.....	12,506	13,688	14,227	14,381	42,296	43,191	37,980	14,249	12,852	11,848	12,095	14,800	12,661	8,514	8,783	136,449	110,358								
	Construction materials, supplies, and intermediate products.....	11,943	12,310	12,289	12,754	37,353	38,564	39,202	12,683	13,100	13,062	12,516	13,440	12,878	12,213	11,348	128,098	119,048								
	Other materials, supplies, and intermediate products.....	73,888	74,914	75,639	75,970	226,523	224,749	222,426	74,780	76,482	74,528	69,802	72,226	70,355	65,533	60,542	751,816	684,044								
SUPPLEMENTARY SERIES ²																										
	Household durable goods indus- tries.....	5,169	5,360	5,274	5,512	16,146	16,241	15,738	5,768	6,055	5,570	4,715	5,749	5,574	4,948	4,081	53,421	48,682								
	Capital goods industries.....	28,153	28,822	28,992	28,160	85,974	84,469	81,803	28,503	29,853	27,459	25,580	26,887	27,550	23,549	23,201	279,710	254,029								
	Nondefense.....	23,737	24,608	24,573	23,931	73,112	72,453	70,217	24,030	25,417	23,246	21,671	23,189	23,709	20,315	20,008	238,968	220,447								
	Defense.....	4,416	4,214	4,419	4,229	12,862	12,017	11,586	4,473	4,436	4,213	3,909	3,698	3,841	3,234	3,193	40,739	33,582								
INDUSTRY GROUPS AND INDUSTRIES																										
	Durable goods industries:																									
32	Stone, clay, and glass products.....	3,911	4,024	4,004	4,250	12,278	12,680	12,597	4,235	4,335	4,288	4,151	4,259	4,221	3,907	3,636	41,898	37,877								
322	Glass containers.....	499	488	493	546	1,527	1,567	1,386	509	518	515	515	425	471	437	410	5,033	4,104								
33	Primary metals.....	11,080	11,609	11,981	11,971	35,561	35,325	35,521	11,208	11,724	11,556	10,806	11,446	11,088	9,953	9,137	118,783	111,881								
331	Blast furnaces, steel mills... Nonferrous and other primary metals.....	5,706	5,929	6,111	6,228	18,268	18,482	17,804	5,694	5,965	5,921	5,736	5,430	5,055	4,390	3,990	60,996	51,286								
333-9	Fabricated metal products.....	4,388	4,631	4,720	4,667	14,018	13,454	14,197	4,463	4,695	4,532	4,144	4,825	4,984	4,621	4,324	46,493	49,631								
34	Metal cans, barrels, and drums.....	9,987	10,286	10,432	10,547	31,265	31,644	31,279	10,494	10,671	10,535	9,701	10,829	10,286	9,414	8,450	104,967	96,627								
341	Machinery, except electrical... Engines and turbines.....	795	778	819	864	2,441	2,488	2,617	767	907	969	925	822	967	977	908	8,622	8,768								
35	Engines and turbines.....	16,996	17,353	17,246	17,070	51,669	50,914	50,128	17,207	17,814	16,244	15,465	16,243	16,316	13,860	13,673	170,081	150,944								
351	Farm machinery and equipment... Construction, mining, and material-handling equipment... Metalworking machinery.....	1,383	1,429	1,428	1,547	4,404	4,101	3,864	1,336	1,491	1,320	1,258	1,181	1,137	1,002	1,017	13,718	11,493								
352	General industrial machinery...	1,192	1,380	1,173	1,264	3,817	3,800	3,614	1,277	1,386	1,085	1,041	1,308	1,167	1,044	945	12,870	11,688								
353	General industrial machinery...	3,388	3,375	3,473	3,318	10,166	9,856	9,619	3,425	3,459	3,361	3,196	3,004	2,973	2,773	2,703	33,424	29,641								
354	General industrial machinery...	1,012	1,037	997	955	2,989	2,910	2,957	1,011	1,077	899	832	911	981	811	741	9,169	9,169								
356	General industrial machinery...	1,489	1,422	1,470	1,491	4,383	4,282	4,071	1,565	1,652	1,412	1,355	1,453	1,410	1,247	1,192	14,304	13,317								

See footnotes at end of table.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted						Not seasonally adjusted ¹										Year-to-date	
		Monthly			Quarterly			Monthly											
		Oct. 1981 ^p	Sept. 1981 ^p	Aug. 1981	July 1981	III 1981 ^r	II 1981	I 1981	Last 4 months				Last 4 months a year ago				1981	1980	
									Oct. 1981 ^p	Sept. 1981 ^p	Aug. 1981	July 1981	Oct. 1980	Sept. 1980	Aug. 1980	July 1980			
TOTALS																			
	All manufacturing industries.....	159,612	168,444	170,063	172,611	511,118	508,837	499,772	168,796	172,733	164,781	156,831	170,629	165,215	147,422	140,637	1,685,473	1,538,143	
	Manufacturing industries excluding transportation.....	143,539	149,817	149,688	151,702	451,207	450,989	443,887	148,271	153,449	148,821	139,882	149,432	144,855	135,497	124,899	1,496,546	1,370,541	
	Manufacturing industries with unfilled orders.....	81,784	89,046	90,244	92,257	271,547	268,697	264,758	88,216	91,666	86,135	81,801	90,788	87,603	75,758	73,701	889,792	811,013	
	Durable goods industries.....	78,408	86,278	87,350	89,696	263,324	263,647	256,383	85,553	87,507	81,487	79,035	90,114	84,947	71,133	70,674	865,166	785,098	
	Durable goods with unfilled orders.....	65,426	72,015	73,211	75,044	220,270	217,748	215,034	71,086	73,824	68,845	65,970	74,314	70,888	60,327	59,777	720,816	658,012	
	Nondurable goods industries.....	81,204	82,166	82,713	82,915	247,794	245,190	243,389	83,243	85,226	83,294	77,796	80,515	80,268	76,289	69,963	820,302	753,045	
	Industries with unfilled orders.....	16,358	17,031	17,033	17,213	51,277	50,949	49,724	17,130	17,842	17,290	15,831	16,474	16,715	15,431	13,924	168,974	153,001	
	Industries without unfilled orders.....	64,846	65,135	65,680	65,702	196,517	194,241	193,665	66,113	67,384	66,004	61,965	64,041	63,553	60,858	56,039	651,325	600,044	
MARKET CATEGORIES																			
	Home goods and apparel.....	11,659	12,221	12,353	12,828	37,402	37,187	36,749	12,870	13,463	13,463	11,782	13,041	12,550	11,927	10,089	124,061	112,848	
	Consumer staples.....	28,657	29,282	28,945	29,253	87,480	86,647	86,030	29,696	30,893	28,915	27,502	29,389	30,239	28,343	25,932	288,374	271,863	
	Equipment and defense products, except automotive.....	23,451	25,302	27,503	26,944	79,749	75,996	78,323	26,712	27,030	24,026	23,421	26,360	27,411	20,789	22,390	257,861	240,413	
	Automotive equipment.....	12,564	13,408	14,284	14,474	42,166	43,163	38,292	14,287	12,626	11,925	12,247	14,988	12,825	8,371	8,857	136,633	108,536	
	Construction materials, supplies, and intermediate products.....	11,586	12,273	11,944	12,900	37,117	38,764	39,024	12,315	12,817	12,659	12,615	13,573	12,555	12,012	11,180	127,699	118,526	
	Other materials, supplies, and intermediate products.....	71,695	75,958	75,034	76,212	227,204	227,079	221,355	72,916	75,904	73,793	69,264	73,278	69,635	65,980	62,189	750,850	685,957	
SUPPLEMENTARY SERIES ²																			
	Household durable goods indus- tries.....	4,844	5,388	5,252	5,510	16,150	16,347	16,412	5,143	5,894	5,661	4,910	5,508	5,416	5,064	4,068	54,097	48,693	
	Capital goods industries.....	25,128	29,580	30,459	29,708	89,747	86,133	86,096	29,321	31,002	26,883	25,741	29,324	29,435	23,209	26,899	286,726	270,259	
	Nondefense.....	21,319	23,026	24,700	24,226	71,952	71,818	70,468	23,282	23,705	22,640	21,673	23,492	23,176	19,534	21,264	236,670	223,930	
	Defense.....	3,809	6,554	5,759	5,482	17,759	14,315	15,629	6,039	7,297	4,243	4,068	5,832	6,259	3,675	5,635	50,051	46,329	
INDUSTRY GROUPS AND INDUSTRIES																			
	Durable goods industries:	3,953	3,897	3,967	4,246	12,110	12,686	12,425	4,230	4,157	4,196	4,165	4,252	4,126	3,809	3,629	41,693	37,675	
32	Stone, clay, and glass.....	10,269	11,422	11,602	12,466	35,490	34,964	34,228	10,263	10,558	10,830	10,421	12,712	11,371	10,521	8,883	115,353	110,254	
33	Primary metals.....	5,140	6,022	6,082	6,436	18,540	18,453	17,291	5,002	5,266	5,482	5,353	6,373	5,354	5,124	3,888	59,357	50,702	
331-5,9	Iron and steel mills.....	3,996	4,348	4,466	4,842	13,656	13,322	13,746	4,093	4,248	4,307	4,071	5,182	4,948	4,513	4,321	45,113	49,584	
34	Fabricated metal products.....	9,309	10,054	9,901	10,804	30,759	31,877	31,223	9,734	10,371	10,033	10,054	10,867	9,710	9,099	8,491	104,099	95,656	
35	Machinery, except electrical.....	16,014	17,498	17,658	16,376	51,532	51,889	50,334	16,625	17,264	16,214	15,001	16,211	16,059	13,152	14,606	149,374	140,999	
351	Engines and turbines.....	1,420	1,538	1,544	1,261	4,343	4,335	4,200	1,633	1,650	1,556	1,724	1,404	1,320	1,270	1,098	17,352	10,992	
353	Construction, mining, and material-handling equipment.....	3,090	3,338	3,553	3,629	10,520	11,085	10,615	3,266	3,310	3,317	3,517	3,311	3,108	2,592	2,665	35,633	29,572	
354	Metalworking machinery.....	1,543	1,317	1,638	1,549	4,504	4,526	4,198	1,599	1,279	1,609	1,447	1,369	1,230	1,160	1,125	14,896	12,614	

See footnotes at end of table.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES
(Millions of dollars)

SIC	Industry	Seasonally adjusted						Not seasonally adjusted ¹										
		Monthly			Quarterly			Monthly										
		Oct. 1981P	Sept. 1981	Aug. 1981	July 1981	II 1981	I 1981	IV 1980	III 1980	II 1980	Oct. 1981P	Sept. 1981 ^r	Aug. 1981	July 1981	Oct. 1980	Sept. 1980	Aug. 1980	July 1980
TOTALS																		
	All manufacturing industries.....	323,753	328,613	328,757	328,206	325,918	323,602	319,729	315,027	306,494	321,916	323,853	325,133	326,866	314,186	310,864	309,461	309,862
	Manufacturing industries excluding transportation.....	207,008	210,540	210,352	210,750	210,403	207,405	206,686	200,514	197,955	204,545	207,963	210,244	211,390	200,030	198,262	199,483	199,357
	Durable goods industries.....	312,906	317,460	317,369	316,853	314,477	312,598	308,815	304,133	295,750	311,181	312,779	313,812	315,502	303,361	300,070	298,796	299,272
	Nondurable goods industries.....	10,847	11,153	11,388	11,353	11,441	11,005	10,913	10,895	10,744	10,735	11,074	11,321	11,364	10,825	10,794	10,665	10,590
MARKET CATEGORIES																		
	Home goods and apparel.....	4,575	4,921	4,902	4,922	4,854	4,664	3,988	4,085	4,215	4,567	5,229	5,372	5,278	4,046	4,307	4,440	4,318
	Consumer staples.....	191,145	193,108	194,278	192,756	190,926	191,324	186,876	183,272	177,896	191,577	190,622	190,893	191,588	183,629	181,231	178,652	179,421
	Equipment and defense products, except automotive.....	17,013	17,371	17,407	17,752	17,607	17,409	17,587	17,399	17,749	16,849	17,217	17,501	17,903	17,394	17,261	17,584	17,785
	Automotive equipment.....	111,020	113,213	112,170	112,776	112,531	110,206	111,277	110,270	106,635	108,923	110,785	111,367	112,097	109,117	108,065	108,785	108,338
SUPPLEMENTARY SERIES ²																		
	Household durable goods indus- tries.....	3,410	3,735	3,708	3,728	3,732	3,628	2,954	3,084	3,220	3,378	4,006	4,167	4,076	3,029	3,270	3,428	3,312
	Capital goods industries.....	222,730	225,758	225,006	223,533	221,984	220,323	216,028	214,413	206,684	223,132	222,313	221,165	221,738	213,958	211,521	209,636	209,976
	Nondefense.....	143,707	146,126	147,712	147,581	147,288	147,924	147,673	147,300	146,477	144,177	144,925	146,639	147,243	146,594	146,291	146,824	147,605
	Defense	79,023	79,632	77,294	75,952	74,696	72,398	68,355	67,113	60,207	78,955	77,388	74,526	74,495	67,364	65,230	62,812	62,371
INDUSTRY GROUPS AND INDUSTRIES																		
	Durable goods industries:																	
32	Stone, clay, and glass.....	2,165	2,124	2,250	2,287	2,292	2,288	2,460	2,426	2,531	2,090	2,095	2,273	2,365	2,390	2,397	2,492	2,590
33	Primary metals.....	27,710	28,521	28,708	29,090	28,595	28,955	30,248	28,010	25,487	26,022	26,968	28,135	28,862	27,823	26,557	26,274	25,706
331	Blast furnaces, steel mills, and other primary metal products.....	16,602	17,168	17,075	17,105	16,897	16,926	17,439	15,742	13,258	15,257	15,949	16,648	17,088	15,583	14,640	14,341	13,607
333-6,9	Nonferrous and other primary metal products.....	7,670	8,062	8,344	8,599	8,425	8,557	9,008	8,476	8,219	7,393	7,764	8,211	8,436	8,519	8,162	8,198	8,306
34	Fabricated metal products.....	29,179	29,856	30,091	30,620	30,362	30,134	29,800	29,800	30,749	29,093	29,861	30,162	30,661	29,873	29,835	30,411	30,726
35	Machinery, except electrical.....	74,459	75,440	75,297	74,885	75,578	74,602	74,396	72,650	71,914	74,099	74,680	75,233	75,262	72,000	72,032	72,289	72,997
351	Engines and turbines.....	18,451	18,413	18,303	18,188	18,474	18,241	17,905	17,864	17,825	18,700	18,403	18,245	18,008	18,075	17,852	17,669	17,401
353	Construction, mining, and material-handling equipment.....	11,046	11,343	11,380	11,299	10,989	9,760	8,765	8,141	8,062	10,957	11,116	11,266	11,311	8,293	7,986	7,851	8,032
354	Metallurgical machinery.....	5,502	5,736	5,987	6,233	6,735	7,035	7,292	7,661	7,986	5,519	5,753	6,083	6,208	7,559	7,684	7,756	7,932
356	General industrial machinery.....	6,724	6,669	6,775	6,606	6,547	6,304	6,177	6,287	6,615	6,683	6,649	6,822	6,626	6,190	6,274	6,454	6,541

See footnotes at end of table.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry group	Seasonally adjusted					Not seasonally adjusted ¹				
		Monthly			Quarterly		Monthly				
		Oct. 1981 ^p	Sept. 1981 ^p	Aug. 1981	July 1981	II 1981	I 1981	IV 1980	III 1980	II 1980	11 1980
	INDUSTRY GROUP AND INDUSTRIES-- Continued										
	Durable goods industries--										
	Continued										
36	Electrical machinery.....	50,591	51,526	50,707	50,466	50,124	48,494	47,225	45,819	45,341	
361,2	Electrical transmission and distribution equipment.....										
	Industrial apparatus.....	8,066	8,429	8,469	8,475	8,392	8,361	7,967	7,905	8,027	
363	Household appliances.....	322	390	389	415	433	411	411	451	419	
365	Radio and TV.....	465	697	489	407	378	482	366	422	416	
366	Communication equipment.....	28,502	28,823	27,963	27,888	27,542	26,345	25,427	23,863	22,802	
367	Electronic components.....	12,105	12,042	12,233	12,205	12,207	11,733	12,019	12,135	12,695	
37	Transportation equipment.....	116,745	118,073	118,405	117,456	115,515	116,198	113,063	114,513	108,540	
372,6	Aircraft, missiles, and parts.....	92,360	93,126	92,449	92,166	90,504	91,299	88,371	90,466	85,924	
3731	Shipbuilding and military tanks.....	16,714	17,303	17,859	17,166	16,953	16,478	16,087	15,421	13,490	
3795	Trucks.....	7,113	7,067	7,120	7,173	7,056	7,012	6,987	6,863	6,944	
38	Products.....										
25	All other durable goods industries.....	4,944	4,853	4,791	4,876	4,955	4,915	4,267	4,050	4,244	

^p Preliminary.¹ Revised.

² Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are of the end of the period and are not adjusted for trading-day or calendar-month variations.

³ The supplementary series are groupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted					Quarterly					Monthly								Not seasonally adjusted ¹			
		Monthly					Quarterly					Monthly								Monthly			
		Oct. 1981 ^P	Sept. 1981 ^r	Aug. 1981	July 1981	II 1981	I 1981	IV 1980	III 1980	II 1980	Oct. 1981 ^P	Sept. 1981 ^r	Aug. 1981	July 1981	Oct. 1980	Sept. 1980	Aug. 1980	July 1980					
	TOTALS																						
	All manufacturing industries.....	278,357	276,616	273,361	271,872	269,709	266,524	257,980	256,835	256,421	275,939	273,900	272,545	271,008	254,257	254,207	255,938	256,220					
	Manufacturing industries ex-																						
	cluding transporting industries.....	238,235	237,192	234,666	232,923	231,081	228,413	221,170	221,393	221,992	235,868	234,522	233,539	232,474	218,438	218,769	220,501	222,002					
	Manufacturing industries with																						
	unfilled orders.....	191,644	189,850	186,695	185,230	183,036	180,275	174,756	173,231	173,188	189,262	187,924	186,963	186,037	170,901	171,511	173,797	174,371					
	Durable goods industries.....	186,679	185,140	182,221	180,855	178,676	176,229	171,603	170,163	169,769	184,249	183,091	181,967	180,681	167,617	168,308	170,295	170,144					
	Durable goods with unfilled																						
	orders.....	170,696	169,027	166,195	164,737	162,821	160,227	155,430	153,986	153,669	168,827	167,397	166,135	165,061	152,138	152,535	154,204	154,572					
	Nondurable goods industries.....	91,678	91,476	91,140	91,017	91,033	90,295	86,377	86,672	86,652	91,690	90,809	90,578	90,327	86,640	85,899	85,643	86,076					
	Nondurable goods with unfilled																						
	orders.....	20,948	20,823	20,500	20,493	20,215	20,047	19,326	19,245	19,520	20,435	20,527	20,828	20,976	18,763	18,976	19,593	19,799					
	MARKET CATEGORIES																						
	Home goods and apparel.....	22,481	21,982	21,881	21,637	21,410	21,201	20,663	20,395	20,706	21,676	21,778	22,252	22,338	19,772	20,215	20,844	21,156					
	Consumer staples.....	33,162	33,142	33,205	32,826	32,658	32,880	32,201	31,988	31,283	34,198	33,544	32,736	31,765	33,327	32,389	31,550	30,815					
	Equipment and defense products.																						
	except automotive.....	75,946	75,148	74,156	73,756	73,240	71,400	69,908	69,288	67,787	75,245	74,376	73,839	73,743	68,857	68,543	68,940	68,733					
	Automotive equipment.....	11,730	11,714	11,394	11,688	11,530	11,775	11,872	11,589	12,267	11,714	11,800	11,539	10,968	11,457	11,685	11,781	11,200					
	Construction materials, supplies,																						
	and intermediate products.....	23,014	23,006	22,727	22,613	22,393	21,602	21,266	20,809	20,999	22,473	22,516	22,441	22,517	20,210	20,387	20,724	20,923					
	Other materials, supplies, and																						
	intermediate products.....	112,024	111,624	109,998	109,352	108,478	107,666	102,070	102,767	103,380	110,633	109,886	109,738	109,677	100,634	100,988	102,099	103,393					
	SUPPLEMENTARY SERIES																						
	Household durable goods indus-																						
	tries.....	10,986	10,719	10,674	10,446	10,250	10,236	9,992	9,980	10,198	10,643	10,566	10,818	10,657	9,662	9,845	10,211	10,264					
	Capital goods industries.....	85,892	85,074	83,742	83,283	82,376	80,456	78,245	77,469	75,420	85,206	84,245	83,562	83,469	77,119	76,705	76,856	76,688					
	Nondefense.....	72,826	72,055	71,053	70,602	69,676	68,473	67,224	67,021	65,672	72,240	71,321	70,719	70,527	66,501	66,330	66,393	66,449					
	Defense.....	13,066	13,019	12,689	12,681	12,700	11,984	11,021	10,447	9,749	12,966	12,924	12,843	12,942	10,618	10,375	10,463	10,239					
	INDUSTRY GROUPS AND INDUSTRIES																						
	Durable goods industries:																						
32	Stone, clay, and glass products	7,070	7,037	6,831	6,642	6,599	6,398	6,145	6,016	6,189	6,753	6,792	6,738	6,680	5,788	5,807	5,990	6,175					
322	Glass containers.....	657	644	615	578	595	608	593	584	611	645	627	630	599	577	569	612	619					
33	Primary metals.....	25,300	25,087	24,412	23,926	23,334	23,640	21,976	22,022	22,555	25,002	24,709	24,332	23,914	21,665	21,699	22,199	22,579					
331	Blast furnaces, steel mills..	13,165	13,120	12,734	12,556	12,169	12,722	11,844	12,152	12,722	13,138	13,029	12,785	12,493	11,937	12,067	12,443	12,519					
333-6,	Nonferrous and other primary																						
9	metals.....	10,633	10,511	10,268	10,016	9,819	9,563	8,802	8,564	8,484	10,431	10,270	10,165	10,076	8,464	8,367	8,459	8,729					
34	Fabricated metal products.....	20,739	20,440	20,232	20,031	19,973	19,812	19,773	19,395	20,020	20,357	20,147	20,220	20,210	18,753	19,119	19,568	19,892					
341	Metal cans, barrels, and																						
	drums.....	1,651	1,578	1,538	1,544	1,571	1,637	1,744	1,578	1,732	1,405	1,362	1,507	1,660	1,376	1,365	1,557	1,786					
35	Machinery, except electrical....	42,105	42,017	41,366	41,036	40,342	39,618	39,189	39,726	39,514	41,506	41,452	41,038	40,866	38,663	39,166	39,484	39,723					
351	Engines and turbines.....	2,619	2,585	2,427	2,472	2,423	2,423	2,474	2,457	2,522	2,581	2,546	2,397	2,426	2,396	2,421	2,429	2,463					
352	Farm machinery and equipment.	2,639	2,712	2,829	2,771	2,749	2,801	2,774	3,127	3,148	2,452	2,577	2,735	2,727	2,800	2,974	3,096	3,134					
353	Construction, mining, and																						
	material-handling equipment.	9,446	9,213	9,082	8,951	8,789	8,469	8,446	8,650	8,766	9,220	9,066	8,955	8,915	8,409	8,512	8,580	8,703					
354	Metallurgical machinery.....	2,587	2,749	2,717	2,719	2,636	2,624	2,760	2,855	2,833	2,569	2,713	2,717	2,714	2,817	2,818	2,861	2,860					
356	General industrial machinery.	4,008	3,872	3,836	3,787	3,753	3,603	3,561	3,627	3,637	3,936	3,818	3,810	3,795	3,523	3,576	3,634	3,642					

See footnotes at end of table.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued
(Millions of dollars)

SIC	Industry	Seasonally adjusted						Not seasonally adjusted												
		Monthly			Quarterly			Last 4 months			Monthly									
		Oct. 1981 ^p	Sept. 1981 ^r	Aug. 1981	July 1981	II 1981	I 1981	IV 1980	III 1980	II 1980	Oct. 1981 ^p	Sept. 1981 ^r	Aug. 1981	July 1981	Oct. 1980	Sept. 1980	Aug. 1980	July 1980		
36	INDUSTRY GROUPS AND INDUSTRIES-- Continued	Durable goods industries-- Continued	26,851	26,517	26,243	25,987	25,689	25,057	24,383	24,350	24,145	26,475	26,256	26,259	26,165	24,112	24,104	24,314	24,504	
361.2			Electrical machinery.....	4,810	4,744	4,593	4,573	4,488	4,263	4,163	4,222	4,263	4,767	4,678	4,553	4,558	4,165	4,162	4,221	4,293
363			Household appliances.....	1,733	1,664	1,600	1,550	1,494	1,444	1,311	1,292	1,309	1,678	1,656	1,681	1,622	1,251	1,287	1,383	1,388
365			Radio and TV.....	8,859	8,599	8,464	8,489	8,886	8,774	8,650	8,589	8,178	8,845	8,810	8,860	8,854	8,667	8,540	8,465	8,388
366			Communication equipment.....	4,978	4,874	4,844	4,795	4,755	4,560	4,537	4,450	4,422	4,923	4,864	4,844	4,887	4,441	4,437	4,456	4,459
367			Electronic components.....	40,122	39,424	38,695	38,949	38,628	38,111	36,810	35,442	34,429	40,071	39,378	39,006	38,534	35,819	35,438	35,437	36,218
37			Transportation equipment.....	9,379	9,316	9,088	9,397	9,275	9,605	9,694	9,409	9,865	9,446	9,476	9,321	9,788	9,387	9,571	9,635	9,967
371			Motor vehicles and parts.....	26,031	25,468	25,167	25,151	24,820	24,401	22,918	21,835	20,160	25,865	25,228	25,263	25,327	22,186	21,643	21,521	20,918
372, 6			Aircraft, missiles, and parts	2,699	2,596	2,449	2,433	2,636	2,612	2,265	2,105	2,130	2,780	2,671	2,488	2,550	2,234	2,165	2,198	2,219
3731			Shipbuilding and military	9,661	9,738	9,585	9,569	9,603	9,380	9,281	9,037	8,994	9,524	9,658	9,611	9,645	9,009	8,965	9,103	9,121
3795	Shipbuilding and military	6,855	6,912	6,842	6,834	6,842	6,593	6,474	6,309	6,263	6,780	6,849	6,808	6,847	6,312	6,252	6,324	6,347		
38	Instruments and related	2,312	2,342	2,251	2,224	2,247	2,259	2,243	2,172	2,135	2,259	2,323	2,305	2,284	2,145	2,155	2,203	2,194		
381-4	Scientific and engineering...	All other durable goods	Industries.....	14,831	14,880	14,857	14,715	14,508	14,213	14,046	14,175	13,923	14,561	14,699	14,763	14,667	13,808	14,010	14,200	13,932
386	Photographic goods.....			21,527	21,826	21,951	21,836	21,862	22,237	22,325	22,368	21,263	22,667	21,913	21,417	20,818	23,642	22,273	21,389	20,811
387	Food and kindred products.....			2,001	2,067	2,109	2,175	2,267	2,272	2,271	2,138	2,005	2,003	2,019	2,029	2,118	2,253	2,089	2,053	1,997
39	Meat products.....			3,932	3,863	3,733	3,705	3,743	3,909	3,866	3,770	3,895	4,014	3,836	3,573	3,553	3,868	3,740	3,589	3,645
20	Beverages.....	All other foods.....	Tobacco products.....	1,586	1,696	1,761	1,662	1,648	1,792	2,055	2,388	1,840	1,632	1,253	1,420	2,351	1,767	1,532	1,719	
203-6, 9	Fats and oils.....			12,315	12,481	12,632	12,564	12,456	12,476	12,428	12,408	11,885	13,301	13,067	12,606	11,886	13,551	13,067	12,564	11,758
21	All other foods.....			4,043	3,966	3,931	3,765	3,570	3,689	3,507	3,628	3,507	4,087	3,906	3,605	3,351	3,708	3,566	3,281	3,184
22	Tobacco products.....			6,687	6,642	6,550	6,608	6,604	6,518	6,386	6,102	6,250	6,404	6,484	6,379	6,638	5,916	5,960	6,078	6,178
26	Textile mill products.....	Paper and allied products.....	Pulp, paper, etc.....	8,681	8,588	8,445	8,429	8,332	8,286	7,798	7,818	7,866	8,349	8,424	8,538	7,665	7,668	7,893	7,897	
261-3	Pulp, paper, etc.....			3,216	3,123	3,201	3,051	3,018	2,972	2,794	2,894	2,779	3,179	3,070	3,120	3,062	2,862	2,845	2,866	2,817
265	Paperboard containers.....			2,333	2,337	2,301	2,267	2,255	2,188	1,973	1,971	2,094	2,284	2,316	2,327	2,333	1,913	1,953	2,018	2,098
264	All other paper containers...			3,132	3,128	3,022	3,111	3,059	3,126	3,032	2,953	2,993	3,086	3,038	3,047	3,143	2,890	2,870	3,009	2,982
28	Chemicals and allied products...	Industrial chemicals, except	pigments.....	20,754	20,363	20,281	20,176	20,218	19,488	18,489	18,478	19,211	20,332	19,956	20,025	18,035	18,114	18,282	18,733	
281.6	Industrial chemicals, except			6,863	6,810	6,856	6,849	6,961	6,693	6,244	6,200	6,714	6,767	6,708	6,808	6,856	6,037	6,107	6,201	6,496
283.4	Drugs, soap, and toiletries...			6,046	5,867	5,941	5,823	5,839	5,819	5,612	5,596	5,587	5,973	5,791	5,947	5,905	5,560	5,523	5,572	5,612
29	Petroleum and coal products...			8,882	9,206	9,320	9,604	9,996	9,885	8,240	8,805	8,711	9,200	9,353	9,424	9,601	8,639	8,943	8,835	8,803
30	Rubber and plastics products...	n.e.c.....	All other nondurable goods	5,670	5,703	5,624	5,677	5,634	5,538	5,279	5,232	5,603	5,508	5,537	5,638	5,125	5,131	5,181	5,494	
31	Industries.....			15,434	15,182	15,038	14,982	14,817	14,656	14,353	14,243	14,241	14,943	15,181	15,497	15,750	13,910	14,244	14,704	14,976

^pPreliminary. ^fRevised.

¹Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

²The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.
Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.
Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.
Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding.
The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"). for the specified industries.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted										Not seasonally adjusted									
	Monthly					Quarterly					Monthly					Quarterly				
	1981					1980					1981					1980				
	Oct. 1981 ^a	Sept. 1981	Aug. 1981	July 1981	11 1981	I 1981	IV 1980	III 1980	II 1980		Oct. 1981 ^a	Sept. 1981	Aug. 1981	July 1981	Oct. 1980	Sept. 1980	Aug. 1980	July 1980		
TOTALS	278,357	276,616	273,361	271,872	269,709	266,524	257,980	256,835	256,421		275,939	273,900	272,545	271,008	254,207	254,207	255,938	256,220		
All manufacturing industries.....	186,679	185,140	182,221	180,855	178,676	176,229	171,603	170,163	169,769		184,249	183,091	181,967	180,681	167,617	168,308	170,295	170,144		
Durable goods industries.....	7,070	7,037	6,831	6,642	6,599	6,398	6,145	6,016	6,189		6,753	6,792	6,738	6,680	5,788	5,807	5,900	5,900		
Stone, clay, and glass products.....	25,300	25,087	24,412	23,926	23,334	23,640	21,976	22,022	22,550		25,002	24,709	24,332	23,914	21,665	21,699	22,199	22,579		
Primary metals.....	20,739	20,460	20,232	20,031	19,873	19,812	19,773	19,395	20,020		20,357	20,167	20,020	20,210	18,753	19,119	19,568	19,892		
Fabricated metals.....	42,105	42,017	41,366	41,036	40,342	39,618	39,189	39,726	39,514		41,506	41,452	41,038	40,866	38,663	39,166	39,484	39,723		
Nonferrous metal machinery.....	26,851	26,517	26,243	25,987	25,688	25,057	24,383	24,350	24,145		26,475	26,356	26,259	26,165	24,112	24,104	24,534	24,504		
Electrical machinery.....	40,122	39,424	38,695	38,949	38,628	38,111	36,810	36,435	36,442		40,071	39,378	39,006	38,534	35,819	35,438	35,437	34,212		
Transportation equipment.....	9,601	9,585	9,569	9,569	9,603	9,380	9,281	9,037	8,994		9,524	9,378	9,311	9,245	8,909	9,009	9,103	9,121		
Instruments and related products.....	14,831	14,880	14,857	14,715	14,508	14,213	14,066	14,175	13,923		14,561	14,699	14,763	14,667	13,808	14,010	14,200	13,932		
All other durable goods industries.....	91,678	91,476	91,140	90,811	90,433	90,295	86,377	86,672	86,652		91,690	90,809	90,578	90,327	86,640	85,899	85,643	86,076		
Nonferrous metal and allied products.....	20,756	20,363	20,281	20,116	20,018	19,488	18,489	19,211	20,332		19,956	19,847	20,025	19,935	18,035	18,114	18,282	18,733		
Chemicals and allied products.....	8,882	9,206	9,320	9,604	9,996	9,885	8,240	8,711	9,200		9,353	9,320	9,424	9,601	8,639	8,835	8,803	8,935		
Petroleum and coal products.....	5,670	5,703	5,624	5,677	5,634	5,538	5,279	5,202	5,603		5,508	5,592	5,537	5,638	5,125	5,131	5,181	5,494		
Rubber and plastics products, n.e.c.....	56,372	56,204	55,915	55,620	55,185	55,385	54,369	54,158	53,127		56,650	55,908	55,592	55,095	54,841	53,711	53,345	53,046		
All other nondurable goods industries.....																				
MATERIALS AND SUPPLIES																				
All manufacturing industries.....	94,130	94,187	93,015	93,653	92,127	91,907	89,380	88,701	89,963		93,871	93,540	92,907	93,289	88,445	88,032	88,293	89,457		
Durable goods industries.....	57,557	57,495	56,594	56,867	55,816	55,495	53,808	53,587	54,624		57,596	57,535	56,950	56,786	53,379	53,615	54,073	54,402		
Stone, clay, and glass products.....	2,695	2,719	2,636	2,656	2,691	2,532	2,446	2,278	2,342		2,666	2,716	2,650	2,605	2,289	2,277	2,296	2,358		
Primary metals.....	9,395	9,315	9,095	9,074	8,849	8,401	8,924	9,000	9,046		9,484	9,339	9,105	9,014	9,063	9,021	9,056	9,131		
Fabricated metals.....	7,590	7,604	7,417	7,405	7,272	7,420	7,249	7,081	7,525		7,484	7,631	7,520	7,538	6,991	7,110	7,272	7,383		
Nonferrous metal machinery.....	11,477	11,482	11,195	11,150	11,212	10,843	10,993	11,176	11,252		11,486	11,332	11,167	11,260	11,066	11,021	11,218	11,384		
Electrical machinery.....	7,917	7,798	7,842	7,626	7,781	7,340	7,229	7,336	7,336		7,743	7,782	7,891	7,836	7,237	7,363	7,430	7,557		
Transportation equipment.....	9,839	9,931	9,766	10,394	9,762	9,594	8,836	8,274	8,876		10,011	10,029	9,939	9,883	8,440	8,369	8,439	8,439		
Instruments and related products.....	2,897	2,854	2,878	2,900	2,854	2,885	2,786	2,852	2,790		2,866	2,861	2,896	2,924	2,740	2,860	2,712	2,703		
All other durable goods industries.....	5,747	5,792	5,765	5,662	5,564	5,520	5,345	5,547	5,457		5,856	5,845	5,782	5,666	5,553	5,594	5,447	5,447		
Nondurable goods industries.....	36,573	36,692	36,421	36,786	36,311	36,412	35,372	35,114	35,339		36,275	36,005	35,957	36,503	35,066	34,417	34,220	35,055		
Chemicals and allied products.....	7,878	7,921	7,904	8,093	7,994	7,875	7,668	7,365	7,441		7,778	7,841	7,809	7,809	7,309	7,300	7,215	7,397		
Petroleum and coal products.....	2,267	2,214	2,311	2,556	2,581	2,214	2,474	2,324	2,179		2,381	2,201	2,317	2,368	2,415	2,308	2,178	2,330		
Rubber and plastics products, n.e.c.....	2,314	2,347	2,264	2,310	2,345	2,273	2,250	2,085	2,336		2,305	2,376	2,308	2,308	2,159	2,114	2,128	2,202		
All other nondurable goods industries.....	24,114	24,210	23,942	23,827	23,391	23,690	23,478	23,340	23,383		23,811	23,587	23,471	23,531	23,183	22,695	22,699	23,066		
WORK IN PROCESS																				
All manufacturing industries.....	99,388	98,651	97,768	97,004	96,376	95,366	92,042	90,648	89,360		98,978	98,185	97,942	97,073	90,104	90,235	90,782	89,743		
Durable goods industries.....	85,145	84,083	82,996	82,431	81,769	80,584	77,935	76,691	75,512		84,532	83,564	83,263	82,433	76,063	76,251	76,933	75,850		
Stone, clay, and glass products.....	1,083	1,044	987	973	929	933	851	887	862		1,005	999	975	971	786	786	846	881		
Primary metals.....	9,943	9,888	9,571	9,315	9,107	8,951	7,960	7,999	8,436		9,809	9,754	9,716	9,438	7,707	7,890	8,293	8,415		
Fabricated metals.....	8,156	7,911	7,853	7,905	7,886	7,815	7,797	7,602	7,742		8,050	7,829	7,922	7,999	7,352	7,527	7,685	7,759		
Nonferrous metal machinery.....	18,577	18,537	18,503	18,327	17,828	17,844	17,556	17,791	17,757		18,406	18,387	18,384	18,014	17,301	17,633	17,803	17,999		
Electrical machinery.....	13,660	13,551	13,375	13,465	13,290	12,893	12,452	12,116	11,828		13,632	13,482	13,406	13,420	12,236	12,053	12,087	11,957		
Transportation equipment.....	26,096	25,499	25,065	24,762	25,022	24,600	23,902	23,156	21,622		26,033	25,447	25,185	24,895	23,432	23,144	22,755	21,803		
Instruments and related products.....	4,229	4,238	4,168	4,154	4,176	4,059	4,064	3,882	3,920		4,173	4,214	4,181	4,170	4,008	3,858	4,068	4,053		
All other durable goods industries.....	3,401	3,435	3,474	3,530	3,531	3,489	3,353	3,288	3,345		3,424	3,452	3,494	3,526	3,241	3,326	3,396	3,345		
Nondurable goods industries.....	14,243	14,568	14,772	14,573	14,607	14,782	14,107	13,957	13,848		14,446	14,621	14,679	14,640	14,041	13,984	13,849	13,893		
Chemicals and allied products.....	2,742	2,718	2,715	2,683	2,715	2,740	2,508	2,568	2,649		2,740	2,693	2,700	2,663	2,490	2,540	2,529	2,533		
Petroleum and coal products.....	2,366	2,669	2,754	2,668	2,654	2,726	2,651	2,624	2,476		2,414	2,622	2,687	2,734	2,552	2,585	2,631	2,613		
Rubber and plastics products, n.e.c.....	996	1,055	1,069	1,084	1,031	1,006	912	907	886		1,005	1,059	1,054	1,057	917	913	876	881		
All other nondurable goods industries.....	8,139	8,126	8,234	8,138	8,207	8,310	8,036	7,858	7,837		8,287	8,247	8,238	8,186	8,082	7,946	7,813	7,866		
FINISHED GOODS																				
All manufacturing industries.....	84,839	83,778	82,578	81,215	81,206	79,252	76,557	77,488	77,099		83,090	82,175	81,696	80,646	75,708	75,940	76,863	77,020		
Durable goods industries.....	43,977	43,562	42,631	41,557	41,091	40,149	39,860	39,885	39,634		42,121	41,992	41,754	41,462	38,175	38,442	39,289	39,892		
Stone, clay, and glass products.....	3,292	3,274	3,208	3,013	2,979	2,974	2,848	2,923	2,985		3,082	3,072	3,113	3,044	2,713	2,710	2,848	2,936		
Primary metals.....	5,962	5,766	5,746	5																

Table 6. PERCENT CHANGES AND REVISION FOR MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

(Based on seasonally adjusted data)

Item and industry group	Percent changes							Revisions ²		
	Month-to-month			Average monthly rates of change ¹				Year ago Oct. 1980	Average monthly	
	Sept. 1981- Oct. 1981	Aug. 1981- Sept. 1981	July 1981- Aug. 1981	Third quarter 1981	Second quarter 1981	First quarter 1981	Nov. 1980 through Oct. 1981		Oct. 1980 through Sept. 1981	Oct. 1976-1980
Shipments:										
All manufacturing industries.....	-2.4	-0.6	-0.5	-0.6	+1.1	+0.4	+0.2	0.1	0.2	3.2
Durable goods industries.....	-3.7	-0.8	-0.5	-1.0	+1.4	+0.6	0.0	0.1	0.4	0.4
Nondurable goods industries.....	-1.1	-0.3	-0.4	-0.1	+0.8	+0.2	+0.3	0.5	0.4	0.5
Inventories:										
All manufacturing industries.....	+0.6	+1.2	+0.5	+0.8	+0.4	+1.1	+0.7	0.2	0.1	0.1
New orders:										
All manufacturing industries.....	-5.2	-1.0	-1.5	-0.5	+0.7	+0.1	-0.1	0.1	0.3	0.2
Durable goods industries.....	-9.1	-1.2	-2.6	-0.8	+0.6	+0.1	-0.5	0.5	0.6	0.4
Nondurable goods industries.....	-1.2	-0.7	-0.2	-0.2	+0.8	+0.1	+0.3	0.3	0.4	0.4
Unfilled orders:										
Durable goods industries.....	-1.4	0.0	+0.2	+0.3	+0.2	+0.4	+0.2	0.1	0.1	0.1

- Represents zero.

¹Method of calculation of these percentages for the quarter and the 12-month time intervals reflect compounded monthly growth rates.²The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Table 7. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

Industry group	Inventories--shipments ratio				Unfilled orders--shipments ratio ¹ (months' backlog)			
	Oct. 1981P	Sept. 1981 ^R	Aug. 1981	July 1981	Oct. 1981P	Sept. 1981 ^R	Aug. 1981	July 1981
All manufacturing industries.....	1.69	1.64	1.61	1.60	3.74	3.68	3.67	3.65
Durable goods industries.....	2.25	2.15	2.10	2.07	4.47	4.41	4.37	4.36
Stone, clay, and glass products.....	1.81	1.75	1.71	1.56	0.63	0.60	0.64	0.62
Primary metals.....	2.28	2.16	2.04	2.00	2.50	2.46	2.40	2.43
Fabricated metals.....	2.08	1.99	1.94	1.90	3.17	3.14	3.13	3.16
Machinery, except electrical.....	2.48	2.42	2.40	2.40	4.71	4.72	4.68	4.74
Electrical machinery.....	2.37	2.27	2.25	2.22	4.46	4.42	4.34	4.31
Transportation equipment.....	2.31	2.08	1.99	2.05	11.43	10.91	10.54	10.93
Instruments and related products.....	2.25	2.27	2.28	2.22	1.66	1.64	1.69	1.67
Nondurable goods industries.....	1.12	1.11	1.10	1.10	1.10	0.65	0.67	0.66
Food and kindred products.....	0.97	0.97	0.98	0.96	(X)	(X)	(X)	(X)
Tobacco products.....	3.68	3.27	3.31	3.15	(X)	(X)	(X)	(X)
Textile mill products.....	1.66	1.50	1.48	1.47	(NA)	(NA)	(NA)	(NA)
Paper and allied products.....	1.34	1.31	1.31	1.30	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products.....	1.36	1.31	1.31	1.30	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.54	0.57	0.57	0.61	(X)	(X)	(X)	(X)
Rubber and plastics products, n.e.c.....	1.41	1.44	1.42	1.37	(X)	(X)	(X)	(X)

(NA) Not available. P Preliminary. R Revised. (X) Not applicable.

¹Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operation; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

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